



245. Mountain Profile (Tasmania) Mount Olympus

The Forensic Record

1. Introduction: Rising sharply above Lake St Clair, Mount Olympus serves as a commanding fortress within the Tasmanian Wilderness World Heritage Area, its geometry dictated by the massive dolerite sheet that caps its summits.

2. Title: Mount Olympus: The Fortress of the Western Plateau

3. Number: #3 (Tasmanian Sequence)

4. The Profile:

- **Elevation:** 1,447 meters.
- **Cap Lithology:** Jurassic Dolerite (Columnar, high-pressure cooling sheets).
- **Consensus Uplift Age:** ~64 Million Years (Cenozoic Orogeny).

5. The Denudation Paradox: If we apply the consensus-accepted uplift age of 64 million years:

- **At 60mm/ka:** The mountain would have vanished in **24.12 million years**.
- **At 20mm/ka:** The mountain would have vanished in **72.35 million years**.
- **At 10mm/ka:** The mountain would have vanished in **144.7 million years**.
- **At 7mm/ka:** The mountain would have vanished in **206.71 million years**.

[Place holder: Photo of the dolerite summit cliffs of Mt Olympus]

6. The Forensic Reality: Mount Olympus currently retains an elevation of 1,447m. Under the geological consensus, the peak should have been obliterated by environmental denudation long ago. The mathematical reality is clear: if the landscape were 64 million years old, Mount Olympus would not exist as a peak today. Its survival to its current height is empirical proof that the uplift occurred in a timeframe far shorter than the consensus allows.

7. Description: The peak is a stark example of the "dolerite-on-sediment" stratification that dominates the Central Highlands. The massive, vertical cliffs near the summit represent the primary cooling body of the Jurassic event, now uplifted to a dramatic altitude. The surrounding terrain displays the typical indicators of rapid, post-uplift drainage patterns, suggesting that the current landscape is a "fresh" surface, formed by the catastrophic tectonic shunt that redirected the water flow of the entire region.

8. Sign-off: *Like the gods for which it was named, the peak demands a pedestal; but the geological consensus provides none that can survive the math.*

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